

Excellence in Pathology and Laboratory Services

Resulting EMR Accounts Update

From Your Laboratory Service Provider, PathGroup Labs

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Change effective December 30, 2009

Overview and Clinical Utility:

Effective December 30, 2009, PathGroup Laboratory added the *Non-HDL Cholesterol*, *VLDL cholesterol* and *LDL/HDL ratio* to Lipid profiles to aid in the determination of cardiovascular risk factors. The Non-HDL cholesterol measurement (calculated as total cholesterol minus HDL cholesterol) provides a single index of all LDL, VLDL, IDL, and lipoprotein (a). Elevated Non-HDL cholesterol signifies increased CVD (cardiovascular disease) risk even if LDL cholesterol levels are at or below "normal" levels.

Test Methodology:

Calculation

Ordering:

| Test: | Test Name: | CPT: | LOINC: |
|-------|---------------------|-------|---------|
| LIPID | Lipid Panel | 80061 | |
| NHDL | Non-HDL Cholesterol | | 43396-1 |
| VLDLC | VLDL Cholesterol | | 2091-7 |
| LHDLR | LDL/HDL Ratio | | 11054-4 |

Reference Range:

| | |
|------------------------|---------------|
| Non-HDL Cholesterol | 0 – 129 mg/dL |
| VLDL Cholesterol Ratio | 5 – 40 |
| LDL/HDL Ratio | 0 – 3.2 |

Specimen Collection and Storage:

- 1) Collect specimen in a serum separator tube.
 - a) Allow serum tube to clot for 30 minutes.
 - b) Spin serum separator tube 10-15 minutes @ 3500 rpm.
- 2) Serum specimens are stable refrigerated for 7 days or frozen for 30 days.

Test Performed:

Sunday - Saturday

Turnaround time:

24 Hours

References:

American Diabetes Association; Peters M.D., Anne L.; *Clinical Relevance of Non-HDL Cholesterol in Patients with Diabetes*; Diabetes Journal, 2009

For further questions, please contact Client Services at 615-562-9300 or 1-888-474-5227